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MINISTRY OF PUBLIC HEALTH, EGYPT.

Ophthalmic Hospitals Section

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Twenty-fifth Annual Report of the Ophthalmic Hospital Section for 1937

Al-Ettemad Press, Abdine, Cairo, 1939.

Government Publications are on sale at the "Sale Room," Ministry of Finance. Correspondence relating to these Publications should be addressed to the "Publications Office," Government Press, Bouq, Cairo.

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TWENTY FIFTH ANNUAL REPORT

of THE OPHTHALMIC HOSPITALS SECTION

for 1937

FOREWORD

New Units

During this year for ophthalmic branches were opened in the General Hospitals at Kafr el Dawar (Behera), Samannoud (Gharbia), Dishna (Qena) El Badari (Assiut) and No. 13 T.O.H. (Beni Suef). Thus the number of the ophthalmic units reached 78 (of which 63 are permanent and 15 travelling).

This number shows an increase of five units over that of 1936, and 55 units over that of 1923. They are shown in detail in table No. 22.

(1) Project under consideration

- a. Ophthalmic Hospital at Kafr El Sheikh.
Building expected to be completed in 1937-1938.
- b. Ophthalmic Hospital at Khalifa Quarter (Cairo).
The construction of this unit will be completed in the near future.

(2) Enlargement of Ophthalmic Hospitals.

The enlargement of Fayoum Ophthalmic Hospital has been completed, the available beds reached 51.

PROJECTS PROPOSED IN THE BUDGET 1938-1939

(1) New Ophthalmic Branches in the General Hospitals.

Among the proposals in the budget of 1938 - 1939 ophthalmic is proposed in 2 new ophthalmic branches in the present General Hospitals.

(2) Ophthalmic Clinics in the Primary Government Schools.

Among the proposals in the budget of 1938 - 1939, two ophthalmic clinics are proposed for the Primary Government Schools at Cairo and Alexandria.

(3) Enlargement of Ophthalmic Hospitals.

The number of patients attending the ophthalmic hospitals being so large that the inpatients sections have become inadequate to accomodate the largest number of the attending patients, whose condition necessitates special care. The Ministry has decided to enlarge these hospitals gradually whenever the budget permits.

It was requested in the proposals of the Budget of 1938 - 1939 to increase some more beds in the ophthalmic branches, where there is adequate - so that it could be possible to admit more in-patients.

CLINICAL WORK

The following table shows the clinical work done in the year 1937 as compared with that of 1936.

	1936	1937	Increase in 1937
New patients	1133599	1213781	7 %
In-patients	35246	38042	8 %
Operations	344661	351136	2 %
Out patients attendance	7741226	7891461	2 %

BLINDNESS

The number of patients who were found to be blind in one or both eyes, excluding cataract cases causing blindness, was 68613 or 5.5 of all patients examined at the Ophthalmic Hospitals. By adding the cataract cases causing blindness, the percentage becomes 5.8 %.

The pathological causes of blindness are detailed in table no. XI where it is shown that acute ophthalmias form 80 % of all causes. The gonococcus is still the predominant factor of infection with acute ophthalmias-its percentage to total of microbes being 40 %.

AGE OF PATIENTS

Out of 1213781 new patients treated, 78598 or 6.4 % were under the age of one year 348702 or 28.7 % from one to 15 years of age- 333054 or 27.4 % from 15 to 30 years of age; and 681756 or 56.1 % from one to 30 years of age. This fact shows that the mass of people recognises the importance of seeking ophthalmic treatment for infants, children and youths.

SCHOOL CLINICS

Ophthalmic examination, inspection and treatment are, at present, carried out in 38 Primary Government Schools. Details of ophthalmic work in schools are given in a special section at the end of this report.

12075 pupils were examined, of whom 99 % were found to be suffering from trachoma in its various stages. About 41% of these were in the serious stages of the disease (trachoma I & II). As a result of ophthalmic treatment the latter percentage fell to 19 %.

In this connection it is to be noted that in Government schools, the most correct percentage, of the prevalence of trachoma among school pupils, can be obtained.

This is due to the fact that the examination and treatment are carried out in such schools regularly and permanently on pupils who are under the supervision of treating doctors.

pupils of 64 other primary schools and Kuttabs belonging to the Provincial Councils in Markazes (Districts) where permanent or travelling ophthalmic hospitals exist received ophthalmic treatment at hospitals. 7948 pupils were examined. Minor Operations were operated upon to 1748 pupils, while 31 Major operations were operated to others and 127 spectacles were prescribed.

EXPENDITURE

The annual cost of maintenance during the year 1937 including the cost of administration and expense of ophthalmic clinics in Primary Schools amounted to L.E. 102705 as shown in the detailed tables appended to this report which are significant of proper economical management. The expense per day for the out-patient was 13. M/M. The in-patient costs in addition 22 m/m daily for food. The source of provision of all ophthalmic units are shown in table XXII.

ACCOMMODATION

The number of beds reached 1747 i.e. there is an increase of 178 beds over last year.

POST-GRADUATE COURSE OF OPHTHALMOLOGY

During April 1937 the number of Medical Officers who have undergone post-graduate teaching in ophthalmology was 39, of these 6 were inspected in the preliminary clinical course and 4 of them passed, 17 were inspected in the final clinical course and 11 of them passed.

During October their number was 29 of whom 17 were inspected in the preliminary course and 8 of them passed 8 were inspected in the final clinical course and 7 of them passed. Those who failed for the second time were transferred to other branches of the Ministry.

INTERESTING CASES RECORDED

A monthly list of interesting cases seen at the various units of the Section is drawn up. About 590 cases have been recorded as interesting during 1937. The following list shows some such cases that are not frequently seen in every day's work in Egypt :

1. Traumatic cataract & subluxation of lens.
2. Buphthalmos .
3. R. & L. Post neuritic optic atrophy.
4. R. Perivasculitis (probably of tuberculous origin)
5. Embolism of central artery of retina & retinal haemorrhage.
6. Round Cell sarcoma in the region of the lt. lachrimal sac.
7. R. Optic neuritis ? pregnancy toxæmia.
8. L. Congenital coloboma of iris.
9. L. Total detachment of retina (traumatic)
10. R. Facial Paralysis, rheumatic in a specific patient.
11. Primary optic atrophy Tabes dorsales.
12. L. Congenital opaque nerve fibres.
13. Syphilitic ulcer of the lid. positive (+)
14. L. Microcornea & congenital coloboma of iris.
15. Orbital cellulitis & post neuritic optic atrophy.
16. Polypoid angiomatous granuloma of conjunctiva.
17. Choroiditis disseminata.
18. Melanotic sarcoma of L. lid.
19. Epithelial hyperplasia of R. Cornea simulating epithelioma.
20. T. B. ulceration of lid (pt. had pulmonary tuberculosis).
21. R. and L. Optic atrophy secondary to papilloedema due to hydrocephalus.
22. Retention cyst of a pseudo gland at limbus.
23. R. Persistent pupillary membrane.
24. R. Retinitis Albuminurica.
25. Capillary angioma of eyelid.
26. High Myopia & choroidal atrophy, & detached retina after L. Cat. Ext.
27. Spring catarrh palpebral and bulbar.
28. Epithelioma of lid.
29. Retinitis pigmentosa.
30. R. & L. Microcornea & persistent pupillary membrane and coloboma of the choroid.
31. Hyaline degeneration of conjunctiva.
32. Filariasis, subconj.
33. Membranous conj. positive for D. B.
34. Symblephron & L. ptosis mechanical after ophthalmia.
35. R. Ext. Rectus paralysis. (? Cause)
36. Pigmented naevus of conjunctiva.
30. R. and L. Retino-choroiditis & optic atrophy syphilitic.

38. Interstitial keratitis.
39. Congenital coloboma of iris and choroid.
40. Epithelial hyperplasia of cornea.
41. Embolism of the central artery of retina.
42. R. Streptothrix of conj.
43. Chronic syphilitic irido-cyclitis.
44. Gangrene of Upper lid due to B. proteus.
45. Fly-blown orbit.
46. Colob. of both optic discs. R. Macular changes.
47. Primary optic atrophy (syphilitic)
48. Leprotic keratitis.
49. Epithelioma of limbus.
50. Acute iritis (focal infection) (Tonsils and nose)
51. Malignant papilloma of limbus.
52. Microphthalmos congenital col. of iris and choroid.
53. Palpebral spring catarrah
54. Epithelial hyperplasia ? Malignant.
55. R. Orbital cellulitis due to periostitis.
56. Bilateral heterochromia iridis (congenital).
57. Fibroma of eyelid.
58. Rodent ulcer of L. Eyelid.
59. R. Lipo-dermoid of conj.
60. L. Dermoid of Limbus.
61. Granuloma of the cornea in the process of fibrosis.
62. Cavernous haemangioma of conjunctiva.
63. R. & L. Microcornea & congenital post cortical cataract.
64. L. Cavernous lymphangioma of bulbar conj.
65. R. Conical Cornea (Congenital).
66. Traumatic cellulites of orbit & secondary optic atrophy.
67. L. Palpebral emphysema produced by fracture of frontal sinus.
68. L. Dendritic ulcer of cornea.
69. L, Traumatic mydriasis iridodonesis and subluxation of lens.
70. Papilloma of lid margin.
71. Dislocated lens in A.C.
72. Granuloma of lachrimal sac.
73. High myopia & degeneration of macula.
74. Trach. of lid & bulbar conj.
75. L. Malignant papilloma of limbus.
76. Degeneration cornea superficialis disseminata.
77. Disseminated choroiditis (syphilitic)
78. R. Acute orbital cellulitis probably due to ethmoidal sinusitis.
79. Dermoid cyst at limbus.
80. Granuloma of papilla lachrimalis.
81. R. & l. Optic neuritis (syphilitic) & proptosis of R. globe due to gumma of R. orbit.

82. Cong. Opacities of cornea & Cong. Coloboma of iris.
83. Vitreous & Retinal haemorrhages and rupture of choroid including macular region.
84. R. Central senile choroiditis.
85. L. Syphilitic total ophthalmoplegia.
86. R. Cong. coloboma of lid.
87. Chorio retinitis in a tuberculous patient.
88. Bilateral congenital apparent anophthalmos.
89. Gangrene of the lower lid after measles.
90. Sub-conjunctival dislocation of lens (traumatic).
91. Erysipelas of face and lids.
92. Sclero Keratitis & iritis tuberculous.
93. Deep Keratitis syphilitic.
94. R, Tuberculous conjunctivo-sclera.
95. Keratitis profunda of a striate type caused by a sting of a wasp.
96. R. & L. Optic neuritis after malaria.
97. Indirect traumatic rupture of R. cornea due to fall from a height.
98. Macular degeneration (cause "sinusitis").
99. Cavernous haemangioma of R. bulbar conj.
100. Pigmented naevus of border of Upper lid.
101. Gumma of R. Upper lid.
102. Macrocornea & Enlarged globe.
103. Left polycoria, congenital.
104. Post-neuritic optic atrophy & hemiplegia (syphilitic meningitis)
105. Lipoma of conjunctiva.
106. Sebaceous cyst on caruncle.
107. Congenital ptosis.
108. Lamellar cataract.
109. L. Chronic irido-cyclitis (cause sinusitis).
110. Coats exudative retinitis & L. Detachment of retina.
111. R. Sympathetic ophthalmia, L. Chronic irido cyclitis (after operation).
112. Syphilitic scleritis & sclerosing keratitis.
113. External ophthalmoplegia Wasserman +) Basal lesion totally cured under treatment.
114. Congenital coloboma of macula & persistent hyaloid artery.
115. L. Orbital cellulitis after erysipelas of face.
116. Kerato- Globus.
117. R. Diabetic retinitis,
118. R. & L. Choked discs due to brain tumour (epithelioma of brain).
119. Rapid & Severe R. proptosis, L. Congestive glaucoma in a child due to tumour in sphenoidal region.
120. Bilateral optic atrophy after fractured base (W. R.++++)
121. R, Traumatic mydriasis and subhyaloid Haemorrhage.
122. Scleritis & Sclero-keratitis & uveitis tuberculous.
123. Congenital total aniridia & coloboma of lenses.
124. Fungus infection of orbit of ? nature.

125. R. Acute Iridocyclitis (gonorrheal).
 126. R. & L. Congenital ptosis, (microcornea and colobomata of iris, choroid and optic disc.
 127. Proptosis of R. Eyeball due to ethmoidal tumour.
 128. R. Gummatous periostitis of infero orbital margin of orbit & fistula.
 129. Expulsive haemorrhage.
 130. Epithelial cyst of caruncle.
 131. R & L. Fuch's coloboma of optic. nerve
 132. Pituitary tumour & marked papilloedima.
 133. L. Thrombosis of central retinal vien.
 134. L. Episcleritis.
 135. R. & L. Arteriosclerosis with degenerative changes in the retina.
 136. Superficial punctate keratitis.
 137. Senile papilloma of limbus.
 138. Synchysis Scintillans,
 139. Ophthalmia neonatorum.
 140. Tuberculosis of the lachrymal glands.
-

THE OPHTHALMOLOGICAL SOCIETY OF EGYPT.

The annual meeting of this Society was held on Friday and Saturday 25th and 26th March 1937, at Giza Memorial Ophthalmic Laboratory. 84 Members attended, the majority of whom being Medical officers of the Ophthalmic Hospitals. The following are the leading topics of the most important communications delivered in the meeting.

1. The aetiology and pathology of retinal detachment.
 2. How does detachment of retina begin.
 3. The incidence of posterior detachment of vitreous in detachment of retina.
 4. Detachment of retina, some predisposing factors.
 5. Treatment of Detachment of Retina.
 6. Operative treatment of detachment of retina after Weve.
 7. Congenital familial cataract with cholestrin crystals.
 8. Capillary angioma of eyelid in a case of Xeroderma pigmentosa.
 9. Keratitis filamentosa elicited in a case by alcoholic injection.
 10. Old adherent leucomata act sometimes as a safeguard against primary glaucoma.
 11. A case of glioma exophytum.
 12. A case of melanotic sarcoma of choroid.
 13. Tubercular periorbitis of R. orbital margin.
 14. Movable ivory globes.
 15. Some observations on X-Ray treatment of Sellar and supra-sellar tumours.
 16. Promising treatment of optic atrophy.
 17. Notes on the treatment of dacryocystitis.
 18. Acute hypotension.
 19. Cases of hysteria in eye.
 20. Hospital based on its statistical returns.
-

XV. CONCILIUM OPHTHALMOLOGICUM.

It was referred in last years report to the activities of the Local Organising committee.

The Congress was held in the date previously fixed (from 8 - 14 Dec, 1937) as per following programme :—

XV. CONCILIUM OPHTHALMOLOGICUM.

Congress Programme December 1937

TUESDAY, 7th 8.30 :—

Opening of "Bureau " at the Semiramis Hotel.

WEDNESDAY, 8th, 10.00 :—

Official opening of the Congress by

HIS MAJESTY THE KING OF EGYPT.

At the Grand Hall of the Egyptian University, Gizeh. 12.00—13.00

« Opening of Scientific and Industrial Exhibitions at Semiramis Hotel.

15.00—19.00 : 1st Official Subject of Symposium :—

"ARTERIAL HYPERTENSION OF THE RETINA"

Report I. Keith and Wagener (Introduction),

» II. Baillart (Clinical Aspect).

» III. Koyanagi (Pathological Aspect).

Communications and discussions in connection with this Symposium.

21.00 : At Semiramis Hotel : Introductions.

Soirée de Gala (Evening Dress).

THURSDAY, 9th, 8.30 - 10.30 :—

Communications and discussions in connection with the Symposium.

"ARTERIAL HYPERTENSION OF THE RETINA" (continued),

« 10.30 - 13.00 : Free communications.

« 9th. 15.00 - 18.00 : Free communications.

RECEPTION AT THE ROYAL ABDIN PALACE (Soirée).

FRIDAY, 10th, 8.30 :—

Meeting of the International Association against Trachoma.

« Reports, discussions (continued).

20.00 : Banquet given by the president of the Local Committee.

Shepherd's Hotel - (Evening dress).

SATURDAY. 11th, 8.30 - 10.30 :—

Meeting of the International Association for the Prevention of Blindness.

« 12.00 - 13.00 : Demonstration meeting.

« 15.00 - 19.00 ;

Excursion to the Pyramids, Sphinx, etc.

Tea at Mena House Hotel offered by the Ophthalmological Society of Egypt.

SATURDAY 20.00 :—

OFFICIAL BANQUET at Semiramis Hotel (Evening Dress)

SUNDAY, 12th, 8.30 - 13.00 :

Visit to the Ophthalmic Hospital and Laboratory at Gizeh, also to Kasr-El-Aini and Fouad I. Hospitals.

Visit to the Egyptian Museum, Amr Mosque, Coptic Museum and Church in old Cairo.

« 15.00 - 18.00 :— Free communications.

MONDAY, 13th, 8.30 :—

Visit to the No. 1 Travelling Ophthalmic Hospital at the Citadel.

Visit of the Citadel, the Mosques of Mohamed Aly, Rifai and Sultan Hassan and Arabic Museum.

Visit to the Ophthalmic Hospital at Kalawoun.

« 13th. 15.00 - 19.00 : 2nd Official Subject of Symposium :
"ENDOCRINOLOGY AND THE EYE"

Also communication and discussions in connection with it.

Report I. Snapper (Introduction).

« II. Von Szily (Thyroid and the Eye).

« III. Von Imre (Sexual organs and the Eye).

« IV. Jendelize (Hypophysis and the Eye).

« V. Lo Cascio (Parathyroid and the Eye),

22.00 :—

Soirée de Gala offered by H. E. The Prime Minister.
(Semiramis Hotel Evening dress).

TUESDAY, 14th, 8.30 :—

Visit to the Ophthalmic Hospital at Rod-El-Farag, Lunch at the Delta Barrage.

« 17.00-18.00 : Meeting of delegates of the Federation.

« 18.00-18.30 :— Meeting of the Council.

« 18.30 : General Meeting.

Choosing the city for the meeting of the next International Congress and closing of the congress.

During and by the inauguration of the congress the following publications were distributed to the congressists :—

Two official subjects Volumes.

Report of the Ophthalmic Hospitals Section year 1936. Guide book and map of Cairo.

Report of the Egyptian Ophthalmological Society 1936.

Invitation cards.

Memorial Medals and emblems of the Congress.

The Congress transactions are under print and will be distributed among the members of the congress and the Medical Bodies all over the world.

It is pleasant to record that the congress was a real success as confirmed by the delegates and Professors who attended it.

TABLE I. WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1937.

1.—IN-PATIENTS : TOTAL NUMBER (Number of available beds 1747).	38,042
Number of diets issued	<u>510,037</u>
2.— OPERATIONS :—	
I. Major :—	
(a) Senile cataract	1,858
(b) Soft cataract	369
(c) Trichiasis or entropion	111,976
(d) Other operations	<u>25,773</u>
TOTAL	139,976
II. Minor (including mechanical treatment of trachoma)	<u>211,160</u>
GRAND TOTAL, major and minor operations = number of operations, Page 14.	<u>351,136</u>
3.—OUT-PATIENTS :—	
I. Incurable ⁽¹⁾	2,319
II. Postponed	9,565
III. Tickets issued, <i>i. e.</i> new cases	1,213,781
IV. Old cases	6,665,796
V. Visits made by patients to hospital for treatment = (I+II+III+IV)	7,891,461
VI. Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued.	
The factor of incurable cases is neglected	6.4
VII. Discharges :—	
(a) Cured	992,954
(b) Relieved	229,287
(c) Incurable ⁽²⁾	3,486
(d) Spontaneoulsy ceased to attend after having attended only once	72,159
(e) « « « « « more than once	101,683
VIII. Trichiasis cases seen among new out-patients :—	
(a) No previous operation having been performed	88,535
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan).	6,466
IX. Spectacles ordered	2,783
X. Constant wash cases (number of days' treatment)	1,976,032
XI. Ages of patients examined :—	
Under one year	78,598
From 1 to 5 years	133,352
« 6 « 10 «	120,649
« 11 « 15 «	94,701
« 16 « 20 «	104,105
« 21 « 25 «	115,520
« 26 « 30 «	113,429
« 31 « 35 «	95,105
« 36 « 40 «	86,169
« 41 « 45 «	75,404
« 46 « 50 «	58,658

(1) Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

(2) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.

TABLE 1. WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1937 (Cont.)

3—OUT-PATIENTS (<i>Contd</i>):—									
Form 51 to 55 years	.	.	.	.	.	.	.	.	42,656
« 56 « 60 «	.	.	.	.	.	.	.	.	38,198
« 61 « 65 «	.	.	.	.	.	.	.	.	27,972
« 66 « 70 «	.	.	.	.	.	.	.	.	19,012
Over 70 years	.	.	.	.	.	.	.	.	10,253
TOTAL (equal tickets issued)									<u>1,213,781</u>
XII. Origin of patients :—									
Patients from :—									
(a) Town in which hospital is situated	.	.	.	.	.	.	.	.	406,521
(b) Markaz in which hospital is situated	.	.	.	.	.	.	.	.	439,744
(c) Other Markazes of same Mudîrîya	.	.	.	.	.	.	.	.	234,958
(d) Other Mudîrîyas or Gevernorates	.	.	.	.	.	.	.	.	132,558
TOTAL (equal tickets issued)									<u>1,213,781</u>

TABLE II.—LIST OF DISEASES.

AMETROPIA :—		
Hypermetropia		1,750
Myopia		2,550
Astigmatism		1,587
Presbyopia		2,598
CONJUNCTIVA :—		
Conjunctivitis, gonococcal		55,682
« Morax-Axenfeld		6,145
« Koch-Weeks		29,251
« pneumococcal		3,562
« diphtheritic		14
« membranous		491
Other organism or negative and unclassified		29,992
Trachoma I		95,443
« II <i>a</i>		162,046
« II <i>b'</i>		19,820
« II <i>b''</i>		2,294
« II <i>c</i>		5,283
« III including post-trachomatous degeneration		739,613
« IV		51,951
Phlyctenule		47,597
Pterygium		10,988
Pinguecula		3,034
Xerosis		4,200
Symblepharon		438
Dermoid		42
Other conditions :—		
Argyrosis		4,132
Colloid and hyaline degeneration		177
Hypertrophied caruncle		580
Injuries (foreign bodies, burn, etc.)		1,123

TABLE 11.— LIST OF DISEASES (*cont.*)

VITREOUS :—														
Opacities	.	.	.	.	.	.	.	.	.	.	.	.	.	354
Foreign bodies	.	.	.	.	.	.	.	.	.	.	.	.	.	2
MUSCLES :—														
Strabismus, alternating	.	.	.	.	.	.	.	.	.	.	.	.	.	2,808
„ convergent	.	.	.	.	.	.	.	.	.	.	.	.	.	23,015
Strabimus divergent	.	.	.	.	.	.	.	.	.	.	.	.	.	22,749
Heterophoria	.	.	.	.	.	.	.	.	.	.	.	.	.	149
Nystagmus	.	.	.	.	.	.	.	.	.	.	.	.	.	2,968
Paralysis	.	.	.	.	.	.	.	.	.	.	.	.	.	39
GLAUCOMA :—														
Primary, acute	}	Including absolute glaucoma caused by acute, sub-												216
„ sub-acute														656
„ chronic														7,823
Secondary	.	.	.	.	.	.	.	.	.	.	.	.	.	12,465
GLOBE :—														
Shrunken globe	.	.	.	.	.	.	.	.	.	.	.	.	.	23,667
Buphthalmos	.	.	.	.	.	.	.	.	.	.	.	.	.	56
Exophthalmic goitre	.	.	.	.	.	.	.	.	.	.	.	.	.	32
Panophthalmitis	.	.	.	.	.	.	.	.	.	.	.	.	.	436
Microphthalmos	.	.	.	.	.	.	.	.	.	.	.	.	.	54
Anophthalmos	.	.	.	.	.	.	.	.	.	.	.	.	.	9
Injury	.	.	.	.	.	.	.	.	.	.	.	.	.	249
ORBIT :—														
Tumours	.	.	.	.	.	.	.	.	.	.	.	.	.	43
Cellulitis	.	.	.	.	.	.	.	.	.	.	.	.	.	45
Tenonitis	.	.	.	.	.	.	.	.	.	.	.	.	.	7
Periostitis	.	.	.	.	.	.	.	.	.	.	.	.	.	16
Injuries	.	.	.	.	.	.	.	.	.	.	.	.	.	85
Cyst, frontal	.	.	.	.	.	.	.	.	.	.	.	.	.	3
« ethmoidal	.	.	.	.	.	.	.	.	.	.	.	.	.	3
Contracted socket	.	.	.	.	.	.	.	.	.	.	.	.	.	138
Fly-blown	.	.	.	.	.	.	.	.	.	.	.	.	.	15

TABLE III.—CAUSES OF OPTIC ATROPHY.

OPTIC ATROPHY :—														
A ⁽¹⁾ Primary :—														
The spinal diseases causing the condition are :—														
G.P.I.	.	.	.	.	.	.	.	.	.	.	.	.	.	7
Tabes	.	.	.	.	.	.	.	.	.	.	.	.	.

(1) Patients are accounted blind who cannot count fingers at one metre.

TABLE III. CAUSES OF OPTIC ATROPHY (*cont.*)

Disseminated sclerosis	—
Lateral sclerosis	—
Spastic paraplegia	—
Lebers hereditary optic atrophy	—
Congenital optic atrophy	—
Unknown	33
It may also be caused by :—	
Arterio-sclerosis	1
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type	
(3) Retro-bulbar neuritis :—	
The acute form causes atrophy of the optic nerve, primary in type, not infrequently.	
The chronic form more rarely.	
Acute retro-bulbar neuritis. The causes are :—	
a) Sepsis (dental, periostitis, middle ear, accessory sinuses)	1
b) Acute fevers (including syphilis and rheumatism)	27
c) Intoxications (alcohol, lead)	—
d) Nervous diseases (disseminated sclerosis, acute myelitis)	—
Chronic retro-bulbar neuritis may be caused by tobacco, alcohol, diabetes, iodoform, opium, etc.	
B. Post-neuritic :—	
The causes of optic neuritis, all of which may be followed by post neuritic atrophy, are as follows :—	
a) Sepsis (dental, periostitis, middle ear, accessory sinues)	11
b) Acute fevers (including syphilis and rheumatism)	41
c) Intoxications (kidney disease and diabetes alcohol, felixmas)	1
d) Nervous diseases : Diss. sclerosis, G.P.I., epilepsy	1
e) Anæmia	1
f) Unknown	17
Total	141

TABLE IV.—LIST OF OPERATIONS.

EYELIDS :—	
For trichiasis and entropion :—	
Snellen's	96146
Anagnostakis	806
Snellen-Anagnostakis	4468
Canthoplasty	2676
Grafting mucous membrane	7463
Electrolysis (minor)	7294
Excision of lash (minor)	1192

TABLE IV. LIST OF OPERATIONS (*cont.*).

Other operations	417
For Ectropion :—	
Plastic	30
Mac Callan's	—
Kenneth Scott's	2
Kuhnt's	22
Other operations	64
For ptosis	29
For symblepharon	121
For hordeolum and chalazion (minor)	5317
Cyst removed	187
Wart excised (minor)	366
Restitching wounds (minor)	109
Opening abscesses (minor)	2725
Various	334
CONJUNCTIVA :—	
For trachoma :—	
Expression or Mechanical Treatment (minor)	110283
Combined excision of Heisrath	967
Post-trachomatous degeneration (minor)	79047
Other operations } (minor)	463
} (major)	397
Pterygium	5399
CORNEA :—	
Foreign body removed (minor)	2718
Sæmisch's section	198
Cautery	452
Various	136
IRIS :—	
Iridectomy for adherent leucoma	3809
« visual	473
« for glaucoma	1473
« preliminary for cataract	242
Cystoid cicatrix ,	9
Division of anterior synechia	8
Various	135
LACRIMAL SAC :	
Excision	7326
Various (minor)	1646
LENS :—	
For senile cataract :—	
Extraction with iridectomy	1543
« after previous iridectomy	315
For membrane after extraction :— Discission	619
For soft cataract :—	
Extraction	195
Discission	174

LIST OF OPERATIONS (cont.)

Curette evacuation	238
Paracentesis	22
For membrane after evacuation :—	
Discission	43
Capsulotomy	1
GLOBE :	
Trephining of cornea-sclera with iridectomy . , . . .	1,231
Trephining	44
Excision	478
Evisceration	475
Paracentesis	507
ORBIT :—	
Exenteration	9
For tumour	43
For dermoid	21
For cellulitis	75
For cyst, frontal	—
„ ethmoidal	—
Tenotomy and advancement	—
Other major operations	139
Trial with magnet :—	
Positive	3
Negative	12
TOTAL = total number of major and minor operations, page 1 . . .	351136

TABLE V.—NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED
AT ALL OPHTHALMIC HOSPITALS DURING 1937

Hospitals	Number of Patients	Hospitals	Number of Operations
Rod El Farag	77887	Rod El Farag	20630
No .1, Citadel	63436	Beni Suef	13115
Guiza	62413	Assiut	10936
Beni Suef	32346	Guiza	10312
Alexandria	30840	Tanta	8851
Tanta	30777	No. 1, T.O.H. Citadel	8797
El Demerdash	30633	Benha	8505
Assiut	30384	Fayoum	7951
Port Said	26951	Zagazig	7320
Sohag	24854	Demerdash	6751
El Fayoum	23780	Shebin El Kom	6737
Mallawi	21750	Sohag	6426
Benha	21750	Alexandria	6203
El Fikria	20933	Daqahlieh P.C.T.O.H.	5741
El Minia	20930	Nagh Hammady	5689
Mit Ghamr	20597	Mansoura	5656
El Mahalla	20345	Maghagha	5579
Shebin El Kom	20260	Mallawi	5389
Deirout	20121	Quos	5309
Zagazig	19735	Biba	5198
Damanhour	19325	No. 11 T. O. H.	5153
Mansoura	19044	Shebin El Kanater	4986

TABLE V. —NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED
AT ALL OPHTHALMIC HOSPITALS DURING 1937 (*Contd.*)

Hospitals	Number of Patients	Hospitals	Number of Operations
Akhmeem	17119	El Fikria	4841
Maghagha	16988	Port Said	4815
Assuit P.C.T.G.H.	15962	Mahalla El Kobra	4773
Benha	14672	No. 9, T.O.H.	4613
Damietta	14040	Baliana	4579
No. 9, T.O.H.	13656	Mit Ghamr	4567
Menouf	13466	No. 2, T.O.H.	4538
Ashmoun	13435	El Fashn	4459
El Suez	13055	Dierout	4409
No. 7, T.O.H.	12862	Samalout	4399
Daquahlia P.C.T.O.	12360	Quena	4360
No. 11, T.O.H.	12301	No. 7, T.O.H.	4303
Nagh Hammady	12284	No. 4, T.O.H.	4235
Mataria	12271	El Saff	4171
Luxor	12047	El Minia	4162
Baliana	11930	Akhmeem	4132
Quena	11843	No. 10, T.O.H.	4022
Isna	11819	No. 6, T.O.H.	3931
Guirga	11613	No. 5, T.O.H.	3918
Shebin El Kanater	11341	Ashmoun	3908
El Fashn	11282	El Santa	3899
Dessouq	11141	Guirga	3800
No. 10, T.O.H.	11134	Tala	3799
No. 5, T.O.H.	10789	El Simbellawain	3798
No. 6, T.O.H.	10547	Luxor	3627
Samalout	10494	No. 3, T.O.H.	3330
Santa	10436	El Wasta	3323
Kafr El Zayat	10395	No. 8, T.O.H.	3281
No. 4, T.O.H.	10134	Damietta	3255
Rasheed	10077	Kafr El Zayat	3247
No. 8, T.O.H.	10031	Desouq	3236
No. 121, T.O.H.	10020	Sherbeen	3204
Zifta	9746	Menouf	3161
Tayeba	9560	Facuos	3137
Bilbeis	9301	Zifta	3136
Kom Hamada	9171	Isna	3096
Asswan	9108	El Mataria	3067
Qous	9084	Damanhour	2878
El Simbellawain	9062	Suez	2817
El Wasta	8784	No. 12, T.O.H.	2697
El Saff	8354	Fowa	2569
Idfina	8215	Idfu	2527
Facuos	8196	Rasheed	2468
No. 3, T.O.H.	8140	Assiut P.C.T.O.	2412
No. 2, T.O.H.	7796	Idfina	2395
Tala	7534	Bilbeis	2288
Fowa	7137	Shubrakheet	2172
Idfina	6526	Kom Hamada	2100
Shubrakheet	6515	El Delingat	1901
Sherbeen	6149	Asswan	1671
El Delingat	3525	El Tayeba	1572
Dishna	3008	Dishna	906
El Badary	2374	El Badari	751
Samannoud	1755	Kafr El Dawar	654
Kafr El Dawar	1322	Samannoud	550
No. 13, T.O.H.	416	No. 13, T.O.H.	68

TABLE VI.—AVERAGE NUMBER OF MONTHLY MAJOR AND MINOR OPERATIONS AT ALL
OPHTHALMIC HOSPITALS DURING 1937

Hospitals	Number of Major Operations	Hospitals	Number of Minor Operations
Rod El Farag	691	Rod El Farag	1027
Guiza	397	Beni Suef	778
Benha	394	Assiut	580
Assiut	330	No. 1, Citadel	494
Beni Suef	314	Guiza	462
Tanta	293	Tanta	444
Sohag	254	El Fayoum	410
Fayoum	252	El Zagazig	363
El Demirdash	252	Shebin El Kom	341
El Zagazig	246	Maghagha	337
No. 1, Citadel	238	Alexandria	334
Shebin El Kom	220	Naga Hammady	317
El Mansoura	209	Benha	314
Kena	185	Daquahliah P.C.T.O.	314
Alexandria	182	Mallawy	313
No. 11, T.O.H.	175	El Demirdash	309
Daquahliah P.O.T.O.H.	163	Port Said	301
Quos	157	El Fikria	297
Nagh Hammady	156	Biba	292
Mit Ghamr	146	Quos	284
El Baliana	142	Sohag	281
No. 2, T.O.H.	142	Shebin El Kanater	277
No. 7, T.O.H.	141	El Mahalla El Kubra	273
Biba	141	No. 9, T.O.H.	262
El Wasta	139	El Mansoura	261
Shebin El Kanater	137	Samalout	255
Mallawy	136	No. 11, T.O.H.	253
No. 5, T.O.H.	133	No. 4, T.O.H.	252
Tala	131	El Fashn	241
Dierout	129	El Baliana	239
El Fashn	129	Dieurout	238
Akhmeem	127	No. 11, T.O.H.	235
Maghagha	127	Minia	227
El Mahalla	124	Ashmoun	222
No. 9, T.O.H.	122	No. 10, T.O.H.	221
El Santa	121	Akhmeem	217
Guiza	120	No. 7, T.O.H.	216
El Minia	119	Simbellawain	216
El Saff	113	No. 6, T.O.H.	214
No. 10, T.O.H.	113	Damietta	204
No. 6, T.O.H.	112	El Santa	203
Samalout	110	Guiza	196
Luxor	109	No. 5 T.O.H.	193
Bilbeis	107	Luxor	192
Isna	107	Suez	187
El Fikria	106	Tala	185
Damanhour	106	Dessouq	183
Facus	104	No. 3, T.O.H.	180
Assiut P.C.T.O.H.	104	No. 8, T.O.H.	179
Sherbeen	104	Kena	178
Zifta	104	Kafr El Ziyat	178
Ashmoun	103	Mataria	177
El Sembellawain	100	Fowa	166
No. 4, T.O.H.	100	Menouf	166
Port Said	99	Sherbeen	163
No. 3, T.O.H.	97	Zifta	157
Menouf	97	Facous	156
No. 8, T.O.H.	94	Isna	149
No. 12, T.O.H.	91	Rasheed	139
Kafr El Zayat	91	El Wasta	137
Desouq	86	Damanhour	134
Idfina	81	No. 12, T.O.H.	133

TABLE VI.—AVERAGE OF MONTHLY NAJOR AND MINOR OPERATIONS
AT ALL OPHTHALMIC HOSPITALS DURING 1937 (*cont.*)

Hospitals	Number of Major opers.	Hospitals	Number of Miner opers.
El Matariya	78	Idfu	128
Idfina	75	Idfina	124
Shubrakheet	74	Shubrakheet	106
Kom Hamada	74	Kom Hamada	100
El delingat	71	Assiut P.C.T.O.H.	96
Rasheed	66	Asswan	94
Damietta	66	El Delingat	86
El Tayeba	49	Bilbeis	83
El Suez	47	El Tayeba	81
Fowa	47	Dishna	60
Asswan	45	El Badary	48
Kafr El Dawar	18	Samannoud	37
Dishna	15	Kafr El Dawar	36
El Badary	14	No.13,T.O.H.	4
Samannoud	8		
No.13,T.O.H.	1		

TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE AT WHICH THEY SOUGHT TREATMENT

Age	Number of Patients
Under one Year	78598
From 1 to 5 Years	133352
« 6 to 10 „	120649
« 11 to 15 „	94701
« 16 to 20 „	104105
« 21 to 25 „	115620
« 26 to 30 „	113429
« 31 to 35 „	92105
« 36 to 40 „	86169
« 41 to 45 „	75504
« 46 to 50 „	58658
« 51 to 55 „	42656
« 56 to 60 „	38198
« 61 to 65 „	27972
« 66 to 70 „	19012
Over 70 Years	10253
Total	1213781

TABLE VIII.—NEW PATIENTS PER MONTH

Month	Number of Patients
January	58533
February	56032
March	79315
April	84122
May	111035
June	144822
July	167064
August	142658
September	119538
October	115121
November	89113
December	46425
Total	1213781

TABLE IX.—AVERAGE TEMPERATURE

The average temperature was arrived at by taking one place in Lower Egypt (Gemeiza) one place in Cairo (Giza) and one place in Upper Egypt (Assiut) and obtaining an average figure from the mean temperature at each place on each month. This is shown in appended table, the reading being in degrees.

Months	Gemeiza	Giza	Assiut	Average
January	11.7	10.4	10.5	10.3
February	13.0	13.7	14.0	13.6
March	15.4	16.4	18.0	16.6
April	19.0	20.3	23.0	20.3
May	23.8	23.2	27.0	24.0
June	24.4	25.6	27.4	25.8
July	25.8	27.6	29.2	27.5
August	26.2	27.2	29.0	27.5
September	25.2	25.5	27.8	26.2
October	22.4	22.8	24.5	23.2
November	19.0	19.0	19.4	19.1
December	13.6	13.0	13.8	13.5

TABLE X.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS SINCE 1934

	1934	1935	1936	1937
<i>Hospitals in existence :—</i>				
Travelling	14	14	15	15
Permanent	30	55	59	63
New patients treated	928215	1034986	1133599	1213781
Total attendance of out-patients	7251382	7625063	7741226	7891461
Operations performed	305206	334866	344661	351136
In-patients	27860	32623	35246	38042
<i>Details :—</i>				
Patients examined	944871	1049584	1145321	1225665
Patients regularly treated	928215	1034986	1133599	1213781
Incurable cases	3654	4246	3746	3486
Blind in one eye	47122	51525	53520	59512
« both eyes	11371	11361	12800	12930
Trichiasis cases examined	81583	89108	87579	88535
« eyes operated on and cured	89674	99474	103606	111976

TABLE XI.—CAUSES OF BLINDNESS.

A.—Congenital	9
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity	17058
(b) Shrunken globe	23667
(c) Secondary glaucoma	11472
(d) Other Condition	3833
II.—Fundus :—	
(a) Optic atrophy	141
(b) Optic neuritis	21
(c) Retinitis pigmentosa	17
(d) Detachment of retina	95
(e) Other diseases of fundus	111
III.—Glaucoma, Primary :—	
(a) Monocular (including absolute Number 2690)	8802
(b) Binocular (" " " 1708)	2581
IV.—Injury	333
V.—Operation	57
VI.—Infectious diseases	18
VII.—Iritis endogenous	1222
VIII.—Various	918
Total excluding cataract cases	64255
Cataract cases	3829
Grand Total	68084

TABLE XII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES

	1934	1935	1936	1937
	%	%	%	%
<i>Permanent Ophthalmic Hospitals .—</i>				
Tanta	4.46	3.81	3.7	3.04
Assiout	8.28	7.20	5.49	5.67
Mansoura	6.04	5.24	4.58	3.51
Beni Suef	6.48	5.91	5.37	5.31
Zagazig	8.35	7.30	7.25	6.62
Damanhour	6.48	6.24	6.18	7.74
Shebin El Kom	4.99	4.41	4.34	3.84
Sohag	12.25	12.14	9.93	7.49
Mainya	10.32	7.49	7.19	6.53

TABLE XII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES (*Cont.*)

	1934	1635	1936	1937
	%	%	%	%
<i>Permanent Ophthalmic Hospitals (contd.) :—</i>				
Fayoum	8.22	7.98	7.63	7.53
Benha	4.44	3.99	3.32	3.36
Alexandria	4.52	4.42	4.96	4.70
Port Said	6.23	7.21	7.13	6.58
Qena	8.50	8.12	8.02	7.90
Damietta	4.85	5.16	4.65	4.60
Giza	4.92	5.43	4.93	4.29
Suez	3.95	3.72	3.84	3.30
Kom Hamada	3.73	3.16	2.57	1.76
Mallawi	3.50	5.52	5.13	6.32
Mit Ghamr	3.99	3.81	3.57	2.29
Maghagha	7.96	7.37	7.53	7.44
Fikriya	4.38	5.80	4.18	4.10
Asswan	8.03	9.20	8.47	8.58
Rod El Farag	4.09	4.76	2.95	2.88
Tieba	4.64	4.06	4.81	4.78
Esna	6.81	6.58	6.12	5.97
Disouk	8.88	5.55	8.41	8.29
Demerdash	3.05	3.02	2.80	8.78
Matariya	3.90	3.84	3.90	3.04
Luxor	12.19	9.70	8.51	7.74
Rasheed	5.23	4.14	3.88	3.14
Fakous	5.04	5.29	5.36	5.45
Girga	6.30	7.69	6.55	6.71
Mahalla El Kubra	3.79	3.67	4.53	4.64
Kafr El Zayat	4.59	4.71	4.54	4.16
Santa	3.32	4.64	3.55	2.47
Minouf	4.13	3.32	3.09	2.47
Ashmoun	4.57	3.97	3.80	5.28
Fowa	5.09	5.10	5.09	5.04
Delingat	9.50	9.36	9.40	9.06
Edfou	5.66	5.85	6.67	5.87
El Saff	—	5.38	4.54	4.48
Zifta	6.34	7.26	6.37	5.12
Edfina	8.23	8.12	7.94	7.04
Tala	8.70	8.85	7.92	7.85
Sherbin	6.08	5.44	4.80	5.20
Senbillawain	10.57	9.01	6.55	6.08
Samalout	17.39	9.34	7.88	6.96
Wasta	7.41	6.82	6.98	6.64
Dayrout	6.55	7.63	4.72	4.73
Shebin El Kanater	—	9.03	7.97	6.27
Belbis	—	6.31	6.07	4.47
Fashn	—	10.08	9.68	9.24
Baliana	—	6.31	6.07	4.47
Quos	—	2.62	7.90	4.46
Akhmeem	—	—	17.20	4.
Shubrakheit	—	—	13.41	4.52
Naga Hammadi	—	—	13.82	3.78
Biba	—	—	13.89	6.45
Kafr El Dawar	—	—	—	4.16
Dishna	—	—	—	6.27
El Badari	—	—	—	3.52
Samannoud	—	—	—	—
<i>Travelling Ophthalmic Hospitals :—</i>				
No. 1, Travelling (Citadel)	9.06	8.17	7.57	—
No. 2, Travelling :				
Shubrakheit	9.80	—	—	—
Etiai El Baroud	10.00	8.98	7.43	—
Abo Homms	—	—	—	5.64

TABLE XII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES (*Contd.*)

	1934	1935	1936	1937
	%	%	%	%
Hosh Issa	—	—	—	7.38
No. 3, Travelling :				
Kom Ombo	5.93	6.99	6.88	5.89
Daraw	7.25	6.41	6.99	7.13
No. 4, Travelling :				
Hihia	—	7.59	5.78	—
Kafr Sakr	8.48	—	—	—
Minia El Qamh	7.27	8.32	—	—
Ismailia	—	—	7.34	4.73
Abu Kebir	—	—	—	5.61
No. 5, Travelling :				
Tahta	6.49	4.74	4.74	—
Akhmim	12.3	—	—	—
El Minshah	—	—	4.10	4.17
El Maragha	—	—	—	3.88
No. 6, Travelling :				
Bagour	—	6.22	2.35	—
Berket El Sabba	8.24	—	—	—
El Shohada	—	—	—	5.91
Tonob	6.32	6.25	—	—
Minshat Sultan	—	—	6.79	6.91
No. 7, Travelling :				
Beba	9.14	9.21	—	—
Miniet El Hait	10.21	—	—	—
Abshway	—	—	7.03	—
Sinnauris	—	—	—	—
No. 8, Travelling :				
Beni Mazar	4.39	4.50	2.81	—
Abalwakf	—	—	4.06	5.01
Mansafis	—	—	—	2.81
No. 9, Travelling :				
Imbaba	4.52	—	—	—
El Ayat	4.51	5.72	6.79	9.86
Hawamdiah	—	4.47	5.09	—
Awseem	—	—	—	6.83
No. 10, Travelling :				
Naga Hammadi	—	7.86	10.07	—
Dishna	7.46	—	—	—
Kous	11.75	10.40	—	—
El Mataâna	—	—	7.44	6.81
Armant	—	—	—	8.58
No. 11, Travelling :				
Tookh	—	4.03	5.01	—
Elkanater Elkhayria	—	—	8.03	8.48
Kaha	—	—	—	9.5

TABLE XII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES (*contd.*)

	1934	1935	1936	1937
	%	%	%	%
No. 12, Travelling :				
Kafr El Sheikh	4.77	—	—	—
Basyoun	4.04	4.88	—	—
Samannoud	—	4.68	4.99	5.01
Biala	—	—	—	3.36
No. 13, Travelling :				
Ashmoun	—	—	—	5.98
Assiut Provincial Council :				
Manfalout	—	4.73	4.67	—
Abnoub	3.08	—	—	—
Abou Tieg	4.00	—	—	—
El Badari	—	—	—	5.47
Sahel Seleim	—	5.37	—	—
Dier Mawas	—	—	—	4.68
Dakahlia Provincial Council :				
Aga	—	5.79	4.77	—
Diarb Negm	8.30	—	—	4.79
Dikirnis	5.94	7.79	—	—
Fareskour	—	4.42	—	—
El Zarka	—	—	4.58	4.55

N.B.—It is noticed in this table that the percentage of blindness varies in one hospital in different years. This the most probably due to several reasons ; the important of which are : that the same blind patient might have visited the same hospital several times, that the patient might have visited several hospitals, that the surgeons of the same hospital are changed and also due to the amount of care exercised in booking those cases.

TABLE XIII.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909

YEAR	Total Number of Patients examined	One eye including cataract cases		Both eyes including cataract cases		One eye and both eyes including cataract cases		One eye excluding cataract cases		Both eyes excluding cataract cases		One eye and both eyes excluding cataract cases	
		Number	Percent	Number	Per cent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1909	22373	2116	9.4	1385	6.1	3501	15.6	—	—	—	—	—	—
1910	25506	2438	9.5	2010	7.8	4448	17.4	—	—	—	—	—	—
1911	31264	3196	10.2	2811	8.9	6007	19.2	—	—	—	—	—	—
1912	43668	4115	9.4	2824	6.4	6939	15.7	—	—	—	—	—	—
1913	62233	5361	8.6	2878	6.2	9238	14.8	—	—	—	—	—	—
1914	75398	6425	8.5	3591	4.7	10016	13.2	—	—	—	—	—	—
1915	71930	5637	7.8	2952	4.2	8629	12	—	—	—	—	—	—
1916	94447	7042	7.4	3504	3.7	10546	11.2	—	—	—	—	—	—
1917	100410	9285	9.3	4611	4.6	13996	13.9	—	—	—	—	—	—
1918	90668	8969	9.9	4261	4.7	13230	14.6	—	—	—	—	—	—
1919	85577	8537	10.2	4278	5.1	12815	15.3	—	—	—	—	—	—
1920	108113	9833	9.1	5154	4.7	14987	13.8	—	—	—	—	—	—
1921	137223	10566	8.3	5055	3.9	15619	12.2	—	—	—	—	—	—
1922	147429	12524	8.5	4850	3.3	17374	11.8	—	—	—	—	—	—
1923	174004	14394	8.3	5146	2.9	19540	11.2	—	—	—	—	—	—
1924	206342	16535	8	5716	2.8	22251	10.8	—	—	—	—	—	—
1925	246771	19422	7.9	5137	2.5	25559	10.4	—	—	—	—	—	—
1926	283602	21979	7.7	6703	2.6	28681	10.1	—	—	—	—	—	—
1927	361577	26591	7.4	8689	2.4	35280	9.8	—	—	—	—	—	—
1928	402530	28816	7.2	8592	2.1	37408	9.3	—	—	—	—	—	—
1929	479932	21393	6.6	8697	2.8	40590	8.4	—	—	—	—	—	—
1930	359318	36021	6.6	9513	1.7	45534	8.4	—	—	—	—	—	—
1931	652338	28433	5.9	9489	1.4	47922	7.3	—	—	—	—	48851	6.9
1932	737990	40215	5.4	10740	1.5	50955	6.9	36945	5	11220	1.5	58165	6.5
1933	838652	45980	5.4	10870	1.3	56850	6.7	44025	5.2	10193	1.2	54218	6.4
1934	944871	47122	5	11371	1.2	58493	6.2	45056	4.8	10519	1.1	55575	5.9
1935	1049584	51525	4.9	11361	1.1	62886	6	48984	4.7	10497	1	59481	5.7
1936	1145321	53520	4.7	12800	1.1	66320	5.8	51707	4.5	11430	1	63137	5.5
1937	1225665	59512	4.8	12930	1	72442	5.8	58357	4.7	10256	.8	68613	5.5
TOTAL	10371782	628101	6	190055	1.8	818056	7.9	285074	2.7	64115	0.6	394040	3.7

N. B.— The definition of blindness adopted here is that proposed by Trauseau, that is to say, inability to count fingers held up at a distance of one meter.

TABLE XIV. — YEARLY PERCENTAGE OF BLINDNESS AMONG OPHTHALMIC
HOSPITALS PATIENTS SINCE THE YEAR 1909.

YEAR	Percentage of Blindness in one or both Eyes, including Cataract Cases	Percentage of Blindness in one or both Eyes, excluding Cataract Cases	YEAR	Percentage of Blindness in one or both Eyes, including Cataract Cases	Percentage of Blindness in one or both Eyes, excluding Cataract Cases
1909	15.6	—	1924	10.8	—
1910	17.4	—	1925	10.4	—
1911	19.2	—	1926	10.1	—
1912	15.2	—	1927	9.8	—
1913	14.8	—	1928	9.3	—
1914	13.0	—	1929	8.4	—
1915	12.0	—	1930	8.4	—
1916	11.2	—	1931	7.3	6.9
1917	13.9	—	1932	6.9	6.5
1918	14.6	—	1933	6.7	6.4
1919	15.3	—	1934	6.2	5.9
1920	13.8	—	1935	6.0	5.7
1921	12.2	—	1936	5.8	5.5
1922	11.8	—	1937	5.8	5.5
1923	11.2	—			

N.B. — The definition of blindness adopted here is that proposed by Trousseau that is to say, inability to count fingers held up at a distance of one meter.

TABLE XV.— PRIMARY GLAUCOMA.

Acute	216
Sub-acute	656
Chronic	7823
TOTAL	8695
Total number of patients examined.	1225665
Percent of Glaucoma cases	*75
Percent of absolute glaucoma.	*35
Operations	
Iridectomy.	1473
Trephining with iridectomy	1231

* Including 4308 absolute monocular and binocular

TABLE XVI.— INCIDENCE OF PRIMARY GLAUCOMA SINCE 1925.

Varieties	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
Acute	30	32	56	37	53	50	82	36	102	66	147	199	216
Subacute	144	184	168	326	261	295	183	202	288	352	454	540	656
Chronic	3087	3401	3916	4320	5050	6380	5552	6276	6223	7093	7079	6782	7823
TOTAL	3261	3617	4140	4683	5364	6725	5817	6514	6613	7511	7680	7521	8695
Total number of patients examined	246771	883602	361577	401530	479932	539318	652338	737990	838625	944871	1049584	1145321	1225665
Per cent of glaucoma cases	1.32	1.27	1.14	1.16	1.12	1.25	.89	.88	.79	.79	.73	.65	.75
Per cent of absolute glaucoma cases . . . . .	.68	.76	.68	.68	.62	.70	.53	.55	.41	.42	.41	.35	.35
Operations :—													
Iridectomy	753	668	568	877	959	1101	1030	981	1719	1865	1593	1666	1473
Trephining with iridectomy	991	1073	954	1190	1196	1144	1093	1107	1332	1295	1295	1182	1231

* Including absolute monocular and binocular.

TABLE XVII.—PATHOLOGICAL REPORT

(Kindly supplied by the Director of the Memorial Ophthalmic Laboratory, Giza)

Tissues hardened, sections cut and examined microscopically during 1937.

<i>Lids :—</i>	
Inflammation	10
Tumours :	
Benign including Cysts	91
Malignant	31
<i>Conjunctiva :—</i>	
Inflammation	61
Degeneration	28
Tumours :	
Benign including Cysts	61
Malignant	3
<i>Limbus :—</i>	
Tumours :	
Benign including Cysts	40
Malignant	15
<i>Cornea :—</i>	
Wounds	11
Inflammation including Ulceration	11
<i>Iris and Ciliary Body :—</i>	
Inflammation	—
Degeneration	1
Tumours :	
Benign including Cysts	1
<i>Retina :—</i>	
Tumours :	
Malignant	14
<i>Orbit :—</i>	
Inflammation	1
Tumour :	
Benign including Cysts	—
Malignant	2
<i>Lacrimal Glands :—</i>	
Inflammation	4
Tumours :	
Benign	2
Malignant	1
<i>Lacrimal Sac :—</i>	
Inflammation	41

TABLE XX.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS (*contd.*)

Hospitals	First	Second	Third
Baliana	—	—	8
Quotus	—	—	8
Shubra Kheit	—	—	8
Akhmeem	—	—	8
Naga Hammadi	—	—	11
Biba	—	—	10
Kafr El Dawar	—	—	8
Dishna	—	—	8
El Badari	—	—	8
TOTAL	5	8	1734

TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS DURING 1937, EXCLUDING COST OF RATIONS FOR EMPLOYEES

Hospital (1)	Number of Diets Issued	Total Cost (2)	Cost per Head per day
		L.E.	Mills.
Beni Suef	2277	375	16.5
Shebin El Kom	11725	217	18.5
Quena	12670	246	19.0
Mansoura	26131	501	19.1
Damanhour	11446	235	20.5
Sohag	11697	242	20.7
Rod El Farag	57205	1193	20.8
No. 6. T.O.H.	8215	172	20.9
No. 12. T.O.H.	8970	189	21.0
Assiut	26862	557	21.1
No. 1. Citadle	17202	365	21.2
Benha	24073	511	21.2
Zagazig	16464	352	21.4
Minia	11008	236	21.4
Port Said	20079	437	21.7
No. 11, T.O.H.	7600	167	21.9
Guiza	40638	908	22.3
Maghagha	7598	170	22.4
Daquahliya P.C.T.O.H.	3333	441	22.5
Tanta	18705	421	22.5
No. 9. T.O.H.	8667	197	22.7
No. 5. T.O.H.	8356	190	23.4
Samalout	10111	242	23.9
No. 2. T.O.H.	10155	248	24.4
No. 10. „	8338	210	25.1
No. 3. „	7695	194	25.2
No. 4. „	8005	203	25.3
No. 7. „	8682	220	25.3
El Matariya	8860	231	26.0
El Fayume	6994	182	26.0
No. 8, T.O.H.	8243	226	27.2
El Mahalla El Kubra	3585	145	27.3
Idfina	12107	337	27.8
TOTAL	474191	10775	22.7

(1) Excluding Ophthalmic Branches Hospitals.

(2) Fuel excluding.

(3) Diets were bought locally.

SCALE OF FULL DIET AS GIVEN TO EVERY IN-PATIENT AT ALL OPHTHALMIC HOSPITALS,

	Grammes
Bread	600
Beef	150
Vegetables	150
Lentil	75
Rice	75
Milk	200
Sugar	30
Native butter (Samna Baladi)	15
Salt	20

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITALS	Date at which opened	Government Grant	Public Subscribiton or Private Charity	Grant of Provincial Councils or Municipalities
		L.E.	L.E.	L.E.
No. 1 Travelling retained at Cairo for Provision of clinical facilities for teaching	1904	—	1000	—
No. 2 Travelling	1905	—	1000	—
Tanta	1908	8436	—	—
Assiout	1911	8817 and Site	5004	—
Mansoura	1912	—	5000	—
Beni Suef	1912	—	4000	—
Assiout Travelling	1912	—	—	720
Zagazig	1913	—	—	4288
Mahalla El Kubra	1913	—	—	2400
Kafr El Zayat	1913	—	—	2200
Daqahlia Travelling	1913	—	—	720
Damanhour	1914	—	—	5000
Shibin El Kôm	1914	—	5433	—
Sohag	1914	960	4000	—
Minya	1915	—	—	5500
Santa	1915	—	—	2600
Fayoum	1916	Site	—	4000
No. 3 Travelling	1918	—	—	1500
Benha	1920	—	14000	—
Alexandria (Oph. Branch)	1920	Annexed to General Hospital	—	—
Port Said	1921	18620	—	1000
Qena	1923	—	12400	2800
Damietta (Oph. Branch)	1923	(1000	240	—
Fouad 1 Oph. H. Giza	1924	(Annexed to General Hospital	—	—
Suez (Oph. Branch)	1924	3000 and Site	8668	600
No. 4 Travelling	1925	Annexed to General Hospital	—	—
No. 5 "	1925	2000	—	—
Menouf	1925	2000	—	—
Ashmoun	1925	—	—	950
Memorial Ophthalmic. Laboratory, Giza	1925	2000	6600	—
Barrim (Oph. Branch) (1)	1926	Annexed to General Hospital	—	—
Mallawi " "	1926	" " " "	—	—
No. 6 Travelling	1927	2280	—	—
No. 7 "	1927	2280	—	—
Mit Ghamr (Oph. Branch)	1927	Annexed to General Hospital	—	—
Gharbiya Travelling	1927	—	—	1500
Maghagha	1927	—	1000	5000
No. 8 Travelling	1928	2500	—	—
No. 9 "	1928	2500	—	—
No. 10 "	1928	2500	—	—

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITAL (*Contd.*)

HOSPITAL	Date at which opened	Government Grant	Public Subscription or private Charity	Grant of Provincial Councils or Municipalities
	L.E.	L.E.	L.E.	L.E.
Fikria (Oph. Branch) .	1928	Annexed to General Hospital		
No. 11 Travelling .	1928	2500	—	—
Asswan (Oph. Branch)	1929	6450 and annexed to General Hospital		
Princess Fawkiya (Oph. Hosp.) Rod el Farag	1929	25000	—	—
Taieba (Oph. Branch).	1929	Annexed to General Hospital		
Esna (Oph. Branch) .	1929	«	«	«
Disouk (Oph. Branch).	1930	«	«	«
Demerdash (Oph. Branch)	1931	«	«	«
Luxor (Oph. Branch).	1931	«	«	«
Matariya	1931	11000	—	Site
Rasheed (Oph. Branch)	1932	Annexed to General Hospital		
Fakous « «	1932	«	«	«
Girga « «	1932	«	«	«
Dilingat « «	1933	«	«	«
Saff « «	1933	«	«	«
Edfou « «	1933	«	«	«
Zifta	1933	—	Site, building and furnitur	
No. 12 Travelling .	1933	2500	—	—
Fowa	1933	—	—	1380
Edfina.	1934	1650 Site and Building from the Royal Wakfs		
Tala	1934	Annexed to General Hospital		
Sherbin (Oph. Branch)	1934	«	«	«
Senbellawain (Op. Branch)	1934	«	«	«
Samalout	1934	—	—	5447 & Site
Wasta (Oph. Branch)	1934	«	«	500
Dayrout « «	1934	«	«	«
Shebin el qenater .	1935	Annexed to General Hospital		
Bilbais	1935	«	«	500
Fashn	1935	«	«	500
Baliana	1935	«	«	«
Qous	1935	«	«	«
Akhmeim	1936	«	«	«
Shubra Kheit	1936	«	«	«
Kom Hamada	1936	«	«	«
Biba	1936	«	«	«
Kafr El Dawar . . .	1937	«	«	«
Dishna	1937	«	«	«
El Badari	1937	«	«	«
Samannoud.	1937	«	«	«
No. 13 Travelling. O. H.	1937	2500	—	—
TOTAL. .		110520	68334	49553

TABLE XXIII.—ACTUAL EXPENDITURE 1937. (A) GENERAL ADMINISTRATION

Chapter	Expenditure
	L.E.
Pensionable Staff	7153
Hors Cadre Staff	378
Transport, transfer and travelling allowance	554
Telephones	—
Telegrams	—
TOTAL	8085

TABLE XXV.— EXPENDITURE 1937.— GOVERNMENT OPHTHALMIC
HOSPITALS (per Unit) (*cont.*).

Hospitals	L.E
Rod El Farag	8555
Mataria	1162
Alexandria Branch & School	1712
Damietta Branch	858
Suez Branch	736
Kom Hamada Branch	461
Mallawi Branch	484
Mit Ghamr Branch	692
Fekria Branch	625
Asswan Branch	745
Taieba Branch	471
Desouk Branch	531
Esna Branch	425
Demerdash Branch	472
Luxor Branch	490
Rasheed Branch	338
Faqous Branch	562
Girga Branch	471
Saff Branch	533
Delingat Branch	412
Edfou Branch	405
Sherbin Branch	453
Senbellawain Branch	605
Wasta Branch	436
Dayrout Branch	674
Shebin El Kanater Branch	427
Baliana Branch	474
Qous Branch	413
Akhmeem Branch	497
Shubra Kheet Branch	540
Naga Hamadi Branch	484
Beba Branch	410
Kafr El Dawar Branch	98
El Badari Branch	26
Dishna Branch	52
Samannoud Branch	71
TOTAL	87267

N.B.—Expenditure of Ophthalmic Branches does not include Stores which form part of General Hospitals Expenditures.

TABLE XXVI.— ACTUAL EXPENDITURE 1937.— PROVINCIAL COUNCIL
OPHTHALMIC HOSPITALS (Per Unit)

	L.E
<i>Ghârbiya Provincial Council :—</i>	
Mahalla el Kubra	845
Kafr el Zaiyat	656
Santa	753
Fowa	399
Zifta	406
<i>Assiout Provincial Council :—</i>	
Travelling Hospital	525
<i>Menufiya Provincial Council :—</i>	
Menuf	539
Ashmun	504
Tala	552
<i>Sharqiya Provincial Council :—</i>	
Belbais	697
<i>Minia Provincial Council :—</i>	
Fashn	604
<i>Daqahlia Provincial Council :—</i>	
Travelling Hospital	873
TOTAL	7353

TABLE XXVII.— COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT
OPHTHALMIC HOSPITAL IN 1914 AND 1937.

	Number	1914	TOTAL	Number	1937	TOTAL
		L.E.	L. E.		L.E.	L.E.
Art. 1—. <i>Salaries, Wages, and allowances :—</i>						
A.— Pensionable Staff :						
Medical Officer	2	336	396	2	420	492
Clerk	1	60		1	72	
	3			3		
B.—Hors Cadre Staff :						
Moawin	1	48	276	1	60	378
Chief attendant	1	36		2	72	
Attendants (Male)	2	42		2	48	
(Female)	2	36		2	36	
Cook	1	24		1	42	
Saii	1	18		1	24	
Gardener	—	—		1	24	
Boab	1	18		1	24	
Subordinate staff	3	54		2	48	
	12			13		
C.—Allowances		72		72		
Art. 2.— <i>Transport, Transfer and Travelling Allowance :—</i>						
Transport.	}	50	50		66	66
Transfer						
Travelling allowance						
Art. 3. — <i>Food.</i>						
		—	139		—	261
Art. 5.— <i>Rent, Water, Lighting etc. :—</i>						
Water		30	102		40	115
Lighting		40			40	
Fuel.		20			30	
Sewage		12			5	
Art. 6.— <i>Books and periodicals</i>						
			1			1
Art. 7.— <i>Telegrams & Telephones :—</i>						
Telegrams	/	9	9		10	10
Telephones						
Art. 8.— <i>Petty Expenses.</i>						
			12			4
Art. 11.— <i>Stores</i>						
			300			306
TOTAL			1,357			1,633

(1) No special Grant for Ophthalmic Hospitals but the Grants are for whole Ministry.

Statistic of Ophthalmic Treatment in Schools 1937-1938

Ophthalmic Treatment has been carried out to the Primary Government Schools of Tanta, Assiut Mansoura, Beni Suef, Zagazig, Damanhour, Shebin El Kom, Sohag, Miniya, Fayoum, Giza, Benha, (Moharram Bey, Ras El Tin and Karmous at Alexandria), (Abbassia, Mohamed Ali, Munira, Mohammadia, Gamalia, Abbass, Bab El Shaaria, Abdin, Qerabiya, Shubra, Nasria, Nahhassin, Zaher, Amir Farouq, Khalil Agha, El Sheikh Saleh, At Cairo), Qena, Port Said, Damietta, Suez, Aswan. Esna and Samalout.

TABLE I (a).—CONDITION OF CONJUNCTIVA (Beginning of the Year)

School	No Trachoma	Trachoma				Total
		I	II	III	IV	
Tanta	8	83	66	280	48	485
Per cent.	1.6	17.50	13.60	57.5	9.8	
Assiout	—	18	87	43	143	291
Per cent.	—	6.5	29.50	14.5	49.50	
Mansoura	3	258	75	206	120	662
Per cent. . . . .	.45	38.95	11.35	33	18.23	
Beni Suef	2	15	68	75	177	337
Per cent. . . . .	.50	4	20.5	22.5	52.5	
Zagazig	3	87	87	61	40	278
Per cent.	1	31.50	31.50	21.5	14.50	
Damanhour	9	65	30	108	75	287
Per cent.	3.50	22.50	10	37.5	26.50	
Shebin El Kom	—	16	90	86	78	270
Per cent.	—	5.9	33.6	31.5	28.8	
Sohag	2	28	16	142	138	326
Per cent. . . . .	.7	8.5	4.8	43.5	42.50	
Minya	—	39	73	54	183	349
Per cent.	—	11.5	20.6	15.4	52.5	
Fayoum	—	5	22	82	78	187
Per cent.	—	2.6	11.5	43.5	41.4	
Giza	—	40	22	163	201	426
Per cent.	—	9.3	5.1	38.3	47.3	
Benha	4	14	37	44	80	179
Per cent.	2.50	7.7	20.6	24.5	44.6	
Moharram Bey	—	24	14	8	124	170
Per cent.	—	14.20	8.2	4.70	72.90	
Abbassia	18	282	59	124	120	603
Per cent. . . . .	.4	48	9.5	21	17.5	
Mohammed Ali	2	93	43	116	239	493
Per cent. . . . .	.4	19	8.4	24	48.2	
Munira	6	302	52	84	71	515
Per cent.	1.2	58.6	10	16.4	13.8	
Ras El Tin	—	45	5	7	268	325
Per cent.	—	13.8	1.56	2	82.64	
Karmous	—	22	13	9	112	156
Per cent.	—	14.3	8.3	5.70	71.7	
Mohammdiya	9	90	85	90	207	481
Per cent.	1.8	18.5	17.50	18.5	43.6	
Gamaliya	—	29	10	43	160	242
Per cent.	—	11.9	4.7	17.5	66.5	
Abbas	2	28	24	89	210	352
Per cent. . . . .	.6	7.9	6.80	25.5	59.2	
Bab El Shaariya	3	95	20	77	68	263
Per cent.	1.1	36.1	7.6	29.4	25.8	
Shubra	5	152	154	407	70	788
Per cent. . . . .	.7	19	20.3	51.5	8.5	
Abdin	—	148	29	91	147	415
Per cent.	—	35.8	6.9	21.6	35.7	
Qerabiya	—	125	19	42	76	262
Per cent.	—	47	7.5	16	29.5	
Nasriya	3	57	10	8	21	99
Per cent. . . . .	.3	57.5	10.2	8	21.3	
Nahhassin	—	16	5	28	78	127
Per cent.	—	12.8	3.9	22.8	60.5	
Qena	—	71	166	47	17	301
Per cent.	—	23.4	55.5	15.5	5.6	
Port Said	1	122	68	69	41	301
Per cent. . . . .	.5	40.5	22.7	22.5	13.8	
Damietta	4	33	23	47	131	238
Per cent.	7.5	13.5	9.5	19.5	56	
Suez	4	33	23	47	131	238
Per cent.	7.5	13.5	9.5	19.5	65	
Asswan	—	30	19	53	66	158

TABLE I (a).—CONDITION OF CONJUNCTIVA (Beginning of the Year) (Cont.)

School	No Trachoma	Trachoma				Total
		I	II	III	IV	
Per cent. .	—	18.9	12	33.6	35.5	
Esna	—	32	36	81	17	166
Per cent. .	—	19.5	21.5	48.5	10.5	
zaher	5	191	32	59	16	303
Per cent. .	1.6	63	10.5	19.5	5.4	
Amir Farouk	—	130	137	170	33	470
Per cent. .	—	27.2	29.4	36.3	7.1	
Khalil Agha	6	130	44	58	18	256
Per cent. .	2.3	50.4	17.27	28	7.53	
El Sheikh Saleh	1	34	37	45	50	167
Per cent. .	.5	20.9	32.2	26.5	29.9	
Samalout	—	37	89	48	1	175
Per cent. .	—	21.5	50.5	27.5	1.50	
Total	99	3073	1885	3240	3778	12075
Per cent. .	.82	25.44	15.61	26.8	31.33	

TABLE I (b). — CONDITION OF CONJUNCTIVA (End of the year)

School	No Trachoma	Trachoma				Total
		I	II	III	IV	
Tanta	7	24	5	372	64	472
Per cent. .	1.60	5.0	1.4	78.6	13.4	
Assiout	—	2	5	75	190	272
Per cent. .	—	.73	3.65	25.37	69.30	
Mansoura	3	100	—	357	166	626
Per cent. .	49	15.90	—	57	26.61	
Beny Suef	2	6	2	95	219	324
Per cent. .	.60	1.80	.60	29.50	67.50	
Zagazig	1	28	1	108	125	263
Per cent. .	.30	10.4	36	4.50	47.50	
Damanhour	9	1	42	155	80	287
Per cent. .	3.1	.30	14.50	54	28.1	
Shebin El Kom	—	1	4	146	105	256
Per cent. .	—	.30	1.20	57	41.50	
Sohag	1	5	1	133	161	301
Per cent. .	.32	1.52	32	44	53.84	
Minia	—	10	5	68	193	276
Per cent. .	—	3.9	1.80	24.70	69.60	
Fayoum	1	—	—	78	104	183
Per cent. .	.50	—	—	42.50	57	
Giza	—	—	—	155	239	394
Per cent. .	—	—	—	39.50	60.50	
Benha	3	1	1	76	98	179
Per cent. .	1.60	.5	.5	42.60	54.80	
Moharram Bey	—	7	1	14	138	160
Per cent. .	—	4.4	.60	8.80	86.20	
Abbassia	11	264	6	164	131	576
Per cent. .	1.82	45.80	1.4	28.34	23	
Mohammed Aly.	2	93	43	116	239	493
Per cent. .	.3)	19	8.70	23	49	
Munira	5	286	8	115	51	465
Per cent. .	1.09	61.55	1.72	24.72	10.92	
Ras El Tin	—	18	—	6	297	321
Per cent. .	—	5.60	—	1.9	92.5	
Karmous	—	4	—	15	133	152
Per cent. .	—	2.6	—	9.8	87.60	

TABLE I (b). —CONDITION OF CONJUNCTIVA (End of the year) (contd.)

School	No Trachoma	Trachoma				Total
		I	II	III	IV	
Mohammadiya . . .	7	92	63	103	206	470
Per cent. . .	1.50	19.60	13.8	21.50	43	
Gamaliya . . .	—	18	1	70	170	259
Per cent. . .	—	6.94	.38	27.50	65.13	
Abbass . . .	2	28	24	92	205	352
Per cent. . .	2.5	8	6.25	26.5	58.5	
Bab El Shaariya . . .	3	105	7	543	122	780
Per cent. . .	.3	13.81	.89	69.50	15.5	
Shubra . . .	3	105	56	300	184	742
Per cent. . .	3	25.06	7.55	40.44	24.80	
Abdin . . .	—	71	—	125	203	399
Per cent. . .	—	17.60	—	31	50.6	
Qerabiya . . .	—	59	—	69	125	253
Per cent. . .	—	23	—	27.5	49.50	
Nasriya . . .	3	27	1	14	49	94
Per cent. . .	3.1	28.7	1.30	14.8	52.1	
Nahhassin . . .	—	8	—	36	88	132
Per cent. . .	—	6.50	—	27	66.50	
Qena . . .	—	10	2	227	58	297
Per cent. . .	—	3.50	.5	76	20	
Port Said . . .	1	54	—	157	83	295
Per cent. . .	.3	18.32	—	53.2	28.11	
Damietta . . .	3	—	—	71	162	236
Per cent. . .	1.2	—	—	304	68.4	
Suez . . .	2	13	—	44	92	151
Per cent. . .	1.30	8.50	—	29.70	60.50	
Asswan . . .	—	22	4	72	48	146
Per cent. . .	—	15.50	2.70	49.30	32.5	
Esna . . .	—	32	—	93	40	165
Per cent. . .	—	19.30	6	56.50	24.2	
Daher . . .	4	187	1	74	31	297
Per cent. . .	1.34	62.98	.32	24.96	10.40	
Amir Farouk . . .	—	106	10	299	55	470
Per cent. . .	—	22.5	2.6	63.90	11	
Khalil Agha . . .	5	119	4	70	31	235
Per cent. . .	2.12	50.4	2.09	32.2	13.19	
El Sheikh Saleh . . .	—	39	16	68	44	160
Per cent. . .	—	20.4	10.2	42.4	27	
Samalout . . .	—	34	13	121	5	173
Per cent. . .	—	19.75	7.25	69.5	2.5	
Total . . .	78	1912	273	4701	4664	11628
Per cent. . .	.70	16.45	2.35	40.4	40.1	

TABLE II (a).—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR	BEGINNING OF THE YEAR			END OF THE YEAR	
	Pupils with any stage of Trachoma	Pupils with serious stage of Trachoma I and II		Pupils with serious Stage of Trachoma I and II	
	Number	Number	Per cent	Number	Per cent
1907-1908	464	289	62.3	—	—
1914-1915	1,553	342	22.0	61	4.0
1916-1917	1,528	327	21.4	48	3.0
1917-1918	1,699	282	16.6	71	4.2
1919-1920	2,454	410	16.7	201	8.2
1920-1921	3,363	643	19.1	290	8.6
1921-1922	5,036	1,369	27.2	580	11.5
1922-1923	6,140	1,982	32.3	832	14.5
1923-1924	6,820	2,115	31.0	835	12.2
1924-1925	7,117	2,442	34.4	722	10.2
1925-1926	7,337	1,865	25.4	374	5.1
1926-1927	9,053	2,160	23.9	582	6.4
1927-1928	12,057	2,819	23.4	830	6.9
1928-1929	11,319	2,624	23.2	722	6.4
1929-1930	11,223	2,397	30.2	919	8.4
1930-1931	10,793	2,893	26.8	877	8.1
1931-1932	10,707	4,576	42.7	1,750	16.3
1932-1933	10,331	4,034	39.1	2,090	20.2
1933-1934	9,887	4,379	44.3	2,168	21.9
1934-1935	10,320	4,307	41.73	2,005	20.4
1935-1936	10,288	4,447	42.81	1,929	19.53
1936-1937	10,634	4,507	41.89	2,039	19.86
1937-1938	11,696	4,958	31.39	2,158	18.91

TABLE II (b).—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA	BEGINNING OF THE YEAR		END OF THE YEAR	
	Number	Per cent	Number	Per cent
Trachoma I	3,073	25.57	1,912	16.55
„ II	1,884	15.70	278	2.36
„ III	3,240	27.39	4,701	40.70
„ IV	5,778	31.54	4,664	40.39

TABLE III (a).—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the year)

Schools	First Year				Second Year				Third Year				Fourth Year			
	Trachoma				Trachoma				Trachoma				Trachoma			
	No Trachoma	I	II	III	IV	No Trachoma	I	II	III	IV	No Trachoma	I	II	III	IV	No Trachoma
Tanta .	3	27	19	56	9	2	35	27	59	2	3	13	12	80	6	—
Assiout .	—	7	35	4	37	—	4	24	15	30	—	5	21	9	44	—
Mansoura .	1	37	22	39	4	—	81	19	64	21	2	70	25	64	28	—
Beni Suef .	—	6	15	11	38	—	2	18	28	43	—	6	22	25	43	—
Zagazig .	—	33	28	5	2	—	26	25	11	9	3	12	22	28	16	—
Damanhour .	3	33	13	22	10	2	12	6	35	15	3	15	7	29	23	1
Shebin El Kom .	—	7	32	10	20	—	3	22	22	18	—	4	28	24	16	—
Sohag .	22	22	8	57	37	—	4	5	35	38	—	1	1	42	35	—
Minya .	—	11	17	4	5	—	17	24	11	15	—	7	15	17	70	—
Giza .	—	17	13	29	43	—	14	6	46	42	—	6	1	42	49	—
Benha .	3	5	17	11	17	1	6	9	6	18	—	1	3	17	26	—
Moharram Bey .	—	9	3	1	34	—	5	7	4	36	—	2	2	2	23	—
Abbassiya .	33	29	21	19	20	6	76	15	37	16	4	51	11	29	29	5
Mohammed Ali .	—	35	17	34	69	2	31	10	29	55	—	15	9	28	50	—
Munira .	3	95	22	16	4	3	75	13	18	14	—	68	7	26	23	—
Rass El Tin .	—	28	3	3	48	—	6	—	—	68	—	7	1	3	76	—
Karmous .	—	7	5	4	30	—	4	1	5	37	—	—	4	—	23	—
Mohammadia .	3	41	34	14	45	6	26	17	19	48	—	13	16	28	61	—
Gamaliya .	—	10	5	11	42	—	7	3	14	39	—	6	1	2	50	—
Abbas .	—	14	13	21	36	2	7	3	23	64	—	5	4	21	61	—
Bab El Shaaria .	2	31	8	17	11	—	24	6	12	14	—	21	2	24	26	1
Shubra .	2	109	53	21	3	—	22	42	28	9	2	9	36	150	31	1
Abdin .	—	48	12	10	28	—	45	7	25	34	—	29	5	28	45	—
Qerabiya .	—	47	9	3	7	—	23	3	11	17	—	18	5	14	29	—
Nasria .	1	14	4	1	1	1	11	—	—	3	1	16	5	6	8	—
Nahhassin .	—	6	2	4	12	—	5	1	7	19	—	4	1	8	15	—
Qena .	—	14	62	16	3	—	25	55	9	2	—	19	34	8	5	—
Port Said .	—	32	26	25	2	1	47	15	17	9	—	29	9	17	12	—
Damietta .	4	27	7	4	13	—	5	8	14	41	—	—	5	16	45	—
Suez .	2	21	10	—	2	1	32	6	2	7	—	17	4	6	10	—
Aswan .	—	10	6	10	7	—	17	7	15	10	—	—	4	18	20	—
Esna .	—	18	13	17	3	—	5	10	18	7	—	7	6	22	4	—
Zaher .	3	54	12	6	1	1	36	5	17	1	—	50	8	17	9	1
Amir Farouq .	—	44	50	21	—	—	26	40	46	5	—	35	30	51	13	85
Fayoum .	—	—	7	18	20	—	3	6	16	12	—	1	7	25	21	—
Khalil Agha .	4	50	16	12	3	—	27	10	15	8	—	25	5	25	3	—
Sheikh Saleh .	—	10	11	6	10	—	7	12	15	7	—	28	8	15	13	—
Samalout .	—	6	20	8	—	—	8	26	8	—	—	10	15	9	20	—
Total	39	1094	670	650	689	28	809	513	762	843	19	615	409	973	1062	13
												555	293	855		12075

TABLE III (b).--COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II
(Beginning of the Year)

Class	Total Number of Pupils	Total Number of Serious Stages of Tra- choma I and II	Per cent
First Year	3142	1764	56,13
Second Year	2955	1322	44,73
Third Year	3078	1024	33,26
Fourth Year	2900	848	29,21
Total	12075	4958	41,06

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES

	Total	Grand Total	Per cent
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6	3138	7188	59,52
(b) Vision 6/6 and 6/9 or 6/9 and 6/9	4005		
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12 or 6/12 and 6/12	2262	2558	21,19
(b) Vision 6/6 and 6/18	296		
<i>Bad Vision :—</i>			
Fails to attain any of the above standards	2329	2329	19,29
Total		12075	

TABLE V.—SPECTACLES ORDERED

Schools	Number of pupils now attending ob- tained spectacles in previous years	Number of pupils now attending obtained spectacles this year	Number of pupils now attending ordered spectacles but not yet obtained	Total	Spectacles on order or under repair	Number of pupils wearing spectacles on date of final inspection	Number of pupils not wearing spect- acles which were previously ordered
Tanta	6	1	—	7	—	7	—
Assiout	1	2	—	3	1	2	—
Mansoura	15	1	—	22	—	21	—
Beni Suef	16	3	—	19	3	16	—
Zagazig	7	5	—	12	5	7	—
Damanhour	4	2	—	6	—	6	—
Shebin El Kom	10	10	—	20	—	20	—
Souhag	23	4	—	27	2	25	—
Minia	8	3	—	11	—	11	—
Fayoum	20	1	—	21	—	21	—
Giza	9	1	—	10	—	10	—
Banha	8	5	—	13	—	13	—
Moharram Bey	1	—	—	1	—	11	—
Ras El Tin	15	4	—	19	2	12	—
Karmous	6	3	—	9	1	8	—
Abbasiya	9	5	—	14	5	9	—
Mohammed Ali	8	11	—	19	—	19	—
Munira	16	—	—	16	—	16	—
Mohammadiya	7	5	—	12	5	7	—
Gamaliya	9	4	—	13	—	13	—
Nahassin	2	10	—	12	2	10	—
Abbas	10	10	—	20	—	20	—
Bab El Shaariya	11	5	—	16	—	16	—
Shubra	22	4	—	26	—	26	—
Abdin	8	5	—	13	5	8	—
Qerabiya	5	3	—	8	3	4	—
Nasriya	3	—	—	3	1	1	1
Zaher	3	7	—	10	7	3	1
Amir farouk	19	9	—	28	1	17	—
Qena	12	8	—	20	—	20	—
Port Said	18	1	—	19	—	18	—
Damietta	10	4	—	14	—	14	1
Suez	5	3	—	8	3	5	—
Asswan	9	1	—	10	—	9	—
Esna	24	—	—	24	—	24	1
Khalil Agha	7	8	—	15	4	11	—
El Sheikh Saleh	4	16	—	20	—	20	—
Samalout	—	3	—	3	3	—	—
Total	365	173	—	538	53	481	4

TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES NOT GREATER IN STRENGTH
THAN ± 6 DIOPTERS AND BY THEIR USE GOT GOOD OR FAIR VISION.

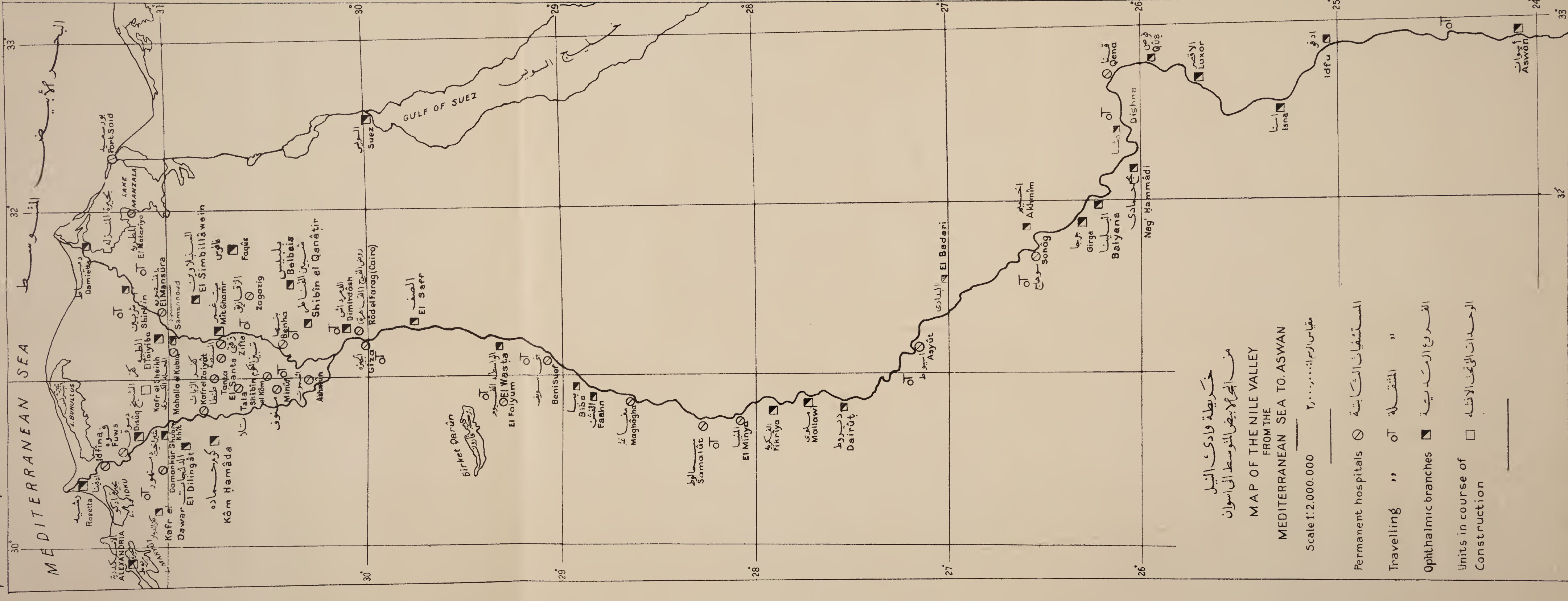
	Total	Grand Total	Per cent
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6	52	154	28.62
(b) Vision 6/6 and 6/9, or 6/9 and 6/9, or 6/9 and 6/9	102		
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12	129	162	30.11
(b) Vision 6/6 and 6/18	33		

TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT

Schools	Both Corneas Clear	One Cornea Clear, the other showing Opacity	Opacity of both Corneas
Tanta	464	15	6
Assiout	261	20	10
Mansoura	641	19	2
Beni Suef	314	15	9
Zagazig	268	7	3
Damanhour	282	4	1
Shebin El Kom	247	15	8
Sohag	317	5	4
Minia	338	11	—
Fayoum	182	5	—
Giza	422	4	—
Banha	168	6	5
Moharram Bey	170	—	—
Ras El Tin	323	2	—
Karmouz	154	2	—
Abbassia	595	7	1
Mohamed Ali	486	7	—
Abbas	347	4	1
Shubra	782	4	2
Bab El Shaaria	256	5	2
Gamaliya	238	24	—
Nahhassin	120	6	1
Nasriya	98	1	—
Munira	510	5	—
Abdin	413	2	—
Qerabiya	255	5	2
Mohammadiya	471	7	3
Zaher	300	3	—
Amir Farouk	455	13	2
Port Said	298	1	2
Qena	261	33	7
Damietta	225	12	1
Suez	165	7	1
Asswan	150	6	2
Esna	154	6	6
Khalil Agha	253	1	2
El Sheikh Saleh	162	5	2
Samalout	148	18	9
Total	11693	282	91
Per cent	96.98	2.33	0.69

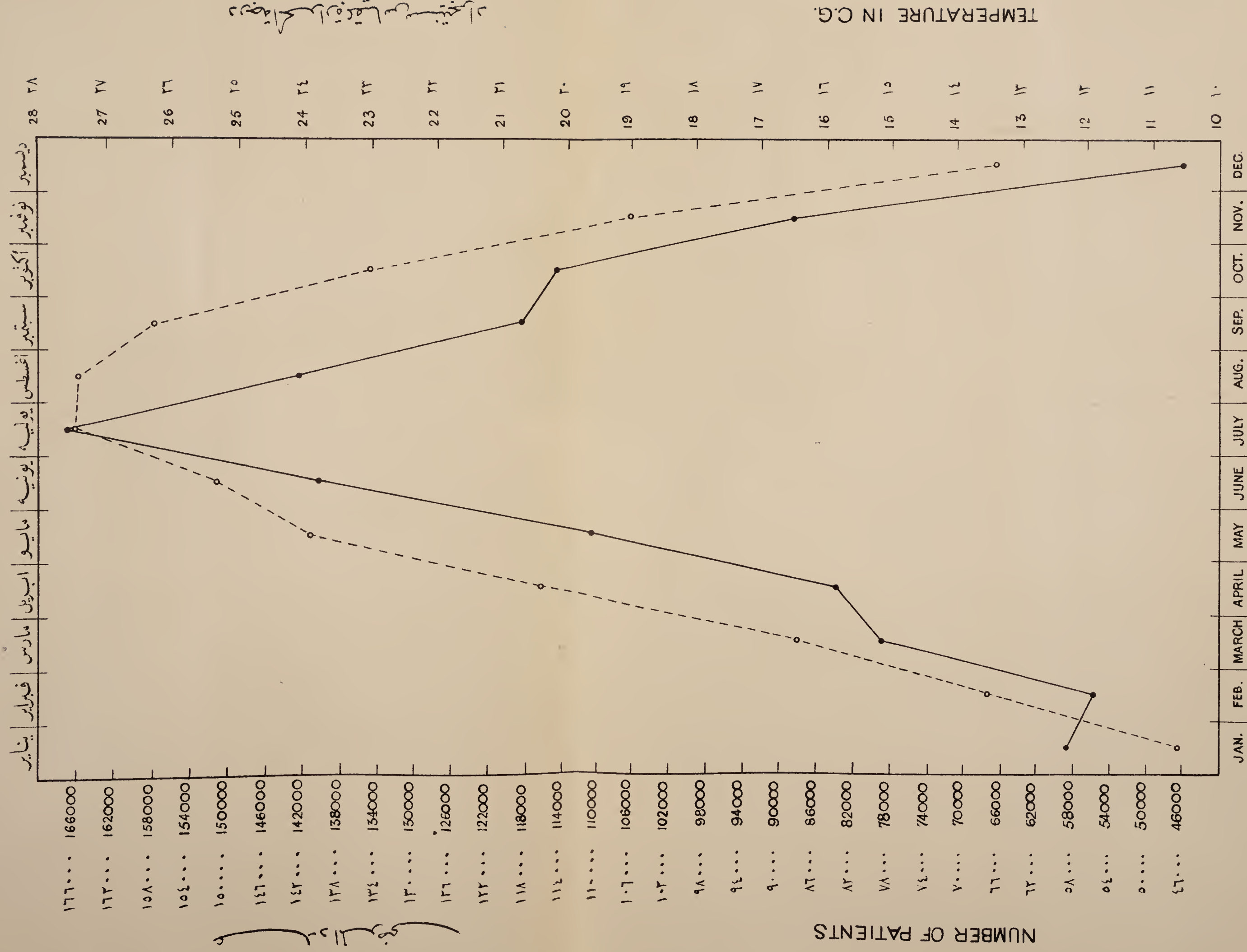
TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL
IN THE YEARS 1914-1915 AND 1937-1938

Years	Both Corneas Clear	One Cornea Clear, the Other showing Opacity	Opacity of both Corneas
1914-1915	173	54	33
1937-1938	464	15	6



الطقس وعدد المرضى الذين عولجوا سنة ١٩٣٧

TEMPERATURE AND NUMBER OF PATIENTS TREATED IN 1937



NEW PATIENTS TREATED PER MONTH

AVERAGE TEMPERATURE IN CENTIGRADE

